

# Andur 8-6 APSLM/Curene® 3005

Polyurethane (Polyester, TDI)  
Anderson Development Company

Message:

Andur 8-6APSLM is a polyester based liquid, toluene diisocyanate terminated prepolymer designed to remain liquid at room temperature. Elastomers with a Shore A durometer hardness of 84-87 can be obtained when Andur 8-6APSLM is cured with Curene 442 [4,4'-methylene-bis (orthochloroaniline)]. Elastomers of lower hardness can be prepared by curing Andur 8-6APSLM with various polyols, combinations of polyols and Curene 442, other diamines, or through the use of plasticizers.

General Information			
Forms	Liquid		
Hardness	Nominal Value	Test Method	
Durometer Hardness (Shore A)	77	ASTM D2240	
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	3.69	MPa	ASTM D412
300% strain	5.86	MPa	ASTM D412
Tensile Strength (Yield)	51.0	MPa	ASTM D412
Tensile Elongation (Break)	600	%	ASTM D412
Compression Set	25	%	ASTM D395B
Bayshore Resilience	34	%	ASTM D2632
Thermoset	Nominal Value	Unit	
Pot Life	150	min	
Demold Time	30	min	
Post Cure Time			
22°C	72	hr	
99°C	16	hr	
Additional Information			
Die C Tear, ASTM D1004: 310 pliAverage Split Tear, ASTM D1938: 130 pliStoichiometry Curative Level: 95%Grams Curene 3005 per 100 grams Andur 8 to 6 APSLM: 21.5Mix Temperature: Andur 8-6 APSLM: 190°F Curene 3005: 235°F			
Injection	Nominal Value	Unit	
Mold Temperature	113	°C	

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